

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim1 (Currently Amended) An apparatus for decompressing compressed data including a group of coded pictures having at least one Intra-coded picture, Predictive-coded pictures, and Bidirectionally-coded pictures ~~a plurality of groups of compressed pictures~~, comprising:

recording means ~~including at least one random access memory~~ for recording said compressed data[.,,];

reading means for reading said compressed data from said recording means,

decompressing means for decompressing said compressed data read by said reading means from said recording means ~~by said reading means~~[.,,];

~~at least one~~ a frame memory portion for storing [[said]] decompressed data ~~produced decompressed~~ by said decompressing means[.,,];

displaying means for displaying said decompressed data stored in said frame memory portion;

picture designating means for designating a coded picture ~~said compressed pictures to be decompressed~~[.,,]; and

control means for controlling said reading means to have said reading means read said coded picture designated by said picture designating means ~~by specifying said group of compressed pictures to be read~~ from said recording means ~~by said reading means based on said picture designated by said picture designating means~~ and controlling said decompressing means ~~by transmitting data of said picture designated by said picture designating means to said decompressing means.~~ to have said decompressing means decompress said coded picture read by said reading means, and in which

said frame memory portion includes a first memory section for storing therein a picture decompressed by said decompressing means, and a second memory section for storing therein a picture immediately subsequent to said picture stored in said first memory section and decompressed by said decompressing means,

said reading means being operative to read said Intra-coded picture,

Predictive-coded pictures intervening between said Intra-coded picture and said coded picture designated by said picture designating means, and said coded picture designated by said picture designating means,

said decompressing means being operative to assume two operating states including a Predictive-coded picture decompressing operating state, in which said decompressing means is operative to decompress, in sequence, said Intra-coded picture and said Predictive-coded pictures intervening between said Intra-coded picture and said coded picture designated by said picture designating means under the condition that said coded picture designated by said picture designating means is a Predictive-coded picture, and a Bidirectionally-coded picture reading operation state in which said decompressing means is operative to decompress in sequence said Intra-coded picture and said Predictive-coded pictures intervening between said Intra-coded picture and Predictive-coded picture read by said reading means immediately prior to said coded picture designated by said picture designating means, and then decompress said coded picture designated by said picture designating means on the basis of two of said Predictive-coded pictures decompressed immediately prior to said coded picture designated by said picture designating means under the condition that said coded picture designated by said picture designating means is a Bidirectionally-coded picture, and

said control means is operative to control said displaying means operative to display said decompressed data stored in said frame memory portion asynchronously with the timing of said decompressing means.

Claims 2-5 (Cancelled)

Claim 6 (Currently Amended) An apparatus for decompressing compressed data as set forth in claim 1 ~~[[5]]~~, and in which ~~wherein~~ said frame memory portion further includes a third memory section for storing said data to be displayed by said displaying means ~~for displaying pictures~~ while the compressed data are decompressed by said decompressing means.

Claim 7 (Currently Amended) An apparatus for decompressing compressed data as set forth in claim 1 ~~[[6]]~~, ~~wherein said designating means is operated to designate a picture, said control means is operated to transmit said data of said designated picture to said reading means and decompressing means, said decompressing means is operated to have one of said three memory sections to store said data decompressed immediately before said designated picture, and to have said two other memory sections to store said~~

~~decompressed data, said displaying means is operated to display said pictures decompressed immediately before the designated picture in which said frame memory further includes a third memory section for storing therein a picture decompressed by said decompressing means, and which further comprises picture selecting means for selecting a picture from among a plurality of pictures stored in said first memory section, said second memory section, and said third memory section, and in which~~

said displaying means is operative to display said picture stored in any one of said first memory section, said second memory section, and said third memory section, selected by said picture selecting means, and

two of said first memory section, said second memory section, and said third memory section, other than said one selected by said picture selecting means are operative to store therein pictures decompressed by said decompressing means.

Claim 8 (Cancelled)

Claim 9 (Currently Amended) A method ~~of for~~ decompressing compressed data including ~~a plurality of groups of compressed~~ a group of coded pictures[[,]] having at least one Intra-coded picture, Predictive-coded pictures, and Bidirectionally-coded pictures, said compressed data being stored in recording means ~~a recorder having at least one random access memory for recording said compressed data, comprising the steps of:~~ a reading step of reading said compressed data from said recorder, recording means; a decompressing step of decompressing said compressed data read by said reading means from said recording means to store said decompressed data in a frame memory portion; transmitted from said recorder, storing said decompressed data; a displaying step of displaying said decompressed data stored in said frame memory portion; a designating step of designating a coded picture ~~said compressed picture to be decompressed[[,]]; and a controlling step of controlling said step of reading step to have said reading step have a step of reading said coded picture designated in said designating step by specifying said group of compressed pictures to be read based on said picture designated in said step of designating and controlling said step of decompressing by transmitting said data of said picture designated in said step of designating for the decompression. from said recording means and controlling said decompressing step to have said decompressing step have a step of decompressing said coded picture read by said reading means, and in which~~

said frame memory portion includes a first memory section for storing therein a picture decompressed in said decompressing step, and a second memory section for

storing therein a picture immediately subsequent to said picture stored in said first memory section and decompressed by said step,

said reading means having a step of reading said Intra-coded picture, Predictive-coded pictures intervening between said Intra-coded picture and said coded picture designated by said picture designating means, and said coded picture designated by said picture designating means, and

said decompressing step having a step of assuming two operating states including a Predictive-coded picture decompressing operating state, in which said decompressing step has a step of decompressing, in sequence, said Intra-coded picture and said Predictive-coded pictures intervening between said Intra-coded picture and said coded picture designated by said picture designating means under the condition that said coded picture designated by said picture designating means is a Predictive-coded picture, and a Bidirectionally-coded picture reading operation state in which said decompressing step having a step of decompressing, in sequence, said Intra-coded picture and said Predictive-coded pictures intervening between said Intra-coded picture and a Predictive-coded picture read in said reading step immediately prior to said coded picture designated in said designating step, and then decompressing said coded picture designated in said designating step on the basis of two of said Predictive-coded pictures immediately decompressed prior to said coded picture designated by said picture designating means under the condition that said coded picture designated in said designating step is a Bidirectionally-coded picture, and

said controlling step having a step of controlling said displaying step of displaying said decompressed data stored in said frame memory portion asynchronously with the timing of said decompressing step.

Claim 10 (Cancelled)

Claim 11 (Cancelled)

Claim 12 (Cancelled)

Claim 13 (Cancelled)

Claim 14 (Currently Amended) A method of ~~for~~ decompressing compressed data as set forth in claim 2 ~~[[13]]~~, wherein ~~said frame memory further includes a third memory section for storing decompressed pictures, and said decompressed pictures stored in said~~

~~third frame memory section are displayed while the compressed data are decompressed in said step of decompressing and in which said frame memory includes a third memory section for storing therein data to be displayed in said displaying step while said compressed data are decompressed in said decompressing step.~~

Claim 15 (Currently Amended) A method ~~of~~ for decompressing compressed data as set forth in claim 14, wherein ~~one of said three memory sections is selected to operate to store said data decompressed immediately before said designated picture in the event of a picture being designated in said step of designating, said decompressed picture stored in one of said three memory sections is displayed while the compressed data is decompressed in said step of decompressing, and two other memory sections are selected to store said decompressed data, and said step of decompressing is performed with two other memories excepted for said memory section selected to store said data decompressed immediately before said designated picture~~ said frame memory portion further includes a third memory section for storing therein a picture decompressed in said decompressing step, and which further comprises a picture selecting step of selecting a picture from among a plurality of pictures stored in said first memory section, said second memory section, and said third memory section, and in which

said displaying step has a step of displaying said picture stored in any one of said first memory section, said second memory section, and said third memory section, selected in said picture selecting step, and

two of said first memory section, said second memory section, and said frame memory section, other than said one selected by said picture selecting means are operative to store therein pictures decompressed in said decompressing step.

Claim 16 (Cancelled)